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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/541,749	03/03/2006	Lukas C. Amler	D0304 NP	9819		
23914 7590 01/08/2008 LOUIS J. WILLE BRISTOL-MYERS SQUIBB COMPANY PATENT DEPARTMENT P O BOX 4000 PRINCETON, NJ 08543-4000			EXAMINER			
			GUSSOW	GUSSOW, ANNE		
			ART UNIT	PAPER NUMBER		
			1643			
						
			NOTIFICATION DATE	DELIVERY MODE		
			01/08/2008	ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspatents@BMS.COM patents@bms.com eileen.immordino@bms.com

	Application No.	Applicant(s)			
	10/541,749	AMLER ET AL.			
Office Action Summary	Examiner	Art Unit			
	Anne M. Gussow	1643			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status	•				
Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ⊠ Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☒ Claim(s) 1-4 are subject to restriction and/or election	·				
Application Papers	•				
9) The specification is objected to by the Examiner 10) The drawing(s) filed onis/ are: a) access applicant may not request that any objection to the objection drawing sheet(s) including the correction and the objected to by the Examiner 11) The oath or declaration is objected to by the Examiner 9) The specification is objected to by the Examiner 10) The oath or declaration is objected to by the Examiner 11)	epted or b) objected to by the Idrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)	,				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other: Sequence al	ate atent Application			

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

To have a general inventive concept under PCT rule 13.1, the inventions need to be linked by a special technical feature. The special technical feature recited in claim 1 is a biomarker selected from the biomarkers in Table 4. In view of this Augustus (US PG PUB 2002/0102532, filed October 3, 2001) reads on the claim. Augustus teaches a method of treating cancer with agents targeting gene expression products. Augustus teaches one of these agents (SEQ ID No. 417) that is identical to 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (SEQ ID No. 1 in table 4) of the instant invention. Therefore the technical feature recited in claim 1 is not special. Accordingly the groups are not so linked at to form a single general concept under rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Groups 1-139, claim(s) 1-4, drawn to a method for identifying a mammal that will respond therapeutically to a method of treating cancer by measuring the level of a biomarker selected from the listing in Tables 4 and 5. Each biomarker is a separate group.

2. The inventions listed as Groups 1-139 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or

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corresponding special technical features for the following reasons: As set forth above, in view of the teachings of Augustus, the groups are not so linked as to form a single general concept under PCT Rule 13.1 because the technical feature of claim 1 is not special.

3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

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or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne M. Gussow whose telephone number is (571) 272-6047. The examiner can normally be reached on Monday - Friday 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms can be reached on (571) 272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LARRY R. HELMS, PH.D.
SUPERVICORY PATENT SXAMINER

Anne M. Gussow January 2, 2008

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<!--StartFragment-->RESULT 1
US-09-969-708-417
; Sequence 417, Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
  APPLICANT: Augustus, Meena
  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signa
  TITLE OF INVENTION: Sets
  FILE REFERENCE: 689290-70
  CURRENT APPLICATION NUMBER: US/09/969,708
  CURRENT FILING DATE: 2001-10-03
  PRIOR APPLICATION NUMBER: US/60/237,606
  PRIOR FILING DATE: 2000-10-03
  PRIOR APPLICATION NUMBER: US/60/237,608
  PRIOR FILING DATE: 2000-10-03
  PRIOR APPLICATION NUMBER: US/60/237,425
  PRIOR FILING DATE: 2000-10-03
  NUMBER OF SEQ ID NOS: 658
  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 417
  LENGTH: 2058
   TYPE: DNA
  ORGANISM: Homosapiens
US-09-969-708-417
 Query Match
                   100.0%;
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 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2058; Conservative
                        0; Mismatches
                                      0;
                                         Indels
                                                          0;
                                                 0:
                                                   Gaps
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Qy
          Db
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Qy
        Db
        121 ACACCTGCTCGCCTGCTCCCAGTAGCCCACCAAAGGTTTTCTACAGCCTCTGCTGTCCCC 180
Qy
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Db
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Qу
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Qy
          301 TATACAGTGGGCTTGGGCCAGACCCGTATGGGCTTCTGCTCAGTCCAAGAGGACATCAAC 360
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Qy
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       421 GTGGGCAGGCTGGAAGTAGGCACTGAGACCATCATTGACAAGTCCAAAGCTGTCAAAACA 480
Qу
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421 GTGGGCAGGCTGGAAGTAGGCACTGAGACCATCATTGACAAGCTCCAAAGCTGTCAAAACA 480

Db

Qy	481	GTGCTCATGGAACTCTTCCAGGATTCAGGCAATACTGATATTGAGGGCATAGATACCACC	540
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Qу	541	AATGCCTGCTACGGTGGTACTGCCTCCTCTTCAATGCTGCCAACTGGATGGA	600
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Db		TCCTGGGATGGTCGTTATGCCATGGTGGTCTGTGGAGACATTGCCGTCTATCCCAGTGGT	
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Db		AATGCTCGTCCCACAGGTGGGGCCGGAGCTGTGGCTATGCTGATTGGCCCAAAGGCCCCT	
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Db		CTGGCCCTGGAGCGAGGGCTGAGGGGAACCCATATGGAGAATGTGTATGACTTCTACAAA CCAAATTTGGCCTCGGAGTACCCAATAGTGGATGGGAAGCTTTCCATCCA	
Qy		CCAAATTTGGCCTCGGAGTACCCAATAGTGGATGGGAAGCTTTCCATCCA	
Qy		CGGGCCTTGGATCGATGTTACACATCATACCGTAAAAAAATCCAGAATCAGTGGAAGCAA	
Db	•		
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Db	901		960
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Qy		CGAGTATCCCAGGATGCTCCCAGGCTCTCCCCTGGACAAGTTGGTGTCCAGCACATCA	
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Qy 1981 TGAATCTCCAAATTTTGTACCTTGTTCTAAGCTAATATATAGCAATTAAAAAGAGAGAAA 20	40
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Db 2041 GAGAAAAAAAAAAA 2058 EndFragment	